



# MATERIAL SAFETY DATA SHEET

RIBBON (BLACK)

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A-SP-ELMD022-AA-0

Rev C

## SECTION 1 - IDENTIFICATION OF SUBSTANCE/COMPANY PREPARING INFORMATION

**Product Name:** Ribbon (Black)

**Part Numbers:** LA70R-01, 36-35129-01;  
LA75R-KA, 36-40243-01;  
LGR31-01, 36-29264-01

**Distributor's Name:** Digital Equipment Corporation, Maynard, MA USA

**Emergency (U.S.) Phone Numbers:**

800-228-5635, ext. 123  
[+1] 612-221-3999, ext. 123

**Non-Emergency (U.S.) Phone Number:**

(978) 496-9242

**Supersedes Date:** July 28, 1995

**Use:** Dot matrix printers

**Preparation Date:** December 22, 1997

## SECTION 2 - COMPOSITION/INGREDIENTS

A nylon ribbon impregnated with ink (black).

## SECTION 3 - HAZARD IDENTIFICATION

The ribbon cartridge is classified as an article. Under normal conditions of use, no exposure from this product is expected. Most likely accidental route of exposure from this product is dermal or inhalation.

Primary Route of Entry - Contents of cartridge - Dermal, inhalation

## SECTION 4 - FIRST-AID MEASURES

**If Inhaled** - Remove from exposure.

**If on Skin** - Wash skin with soap and water.

**If in Eyes** - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

**If Swallowed** - Dilute by drinking water.

## SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - Treat as oil fire.  
Water spray closed containers.

Extinguishing Media - Water, foam, carbon dioxide,  
dry chemical

Hazardous Combustion Products - Carbon monoxide,  
carbon dioxide

Unusual Fire or Explosion Hazards - None

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

None

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## SECTION 7 - HANDLING AND STORAGE

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Engineer Control - Not needed

Work Practices - None

Additional Information - This product should not be handled or stored in a manner that permits the ink to dry out and the ribbon to break apart.

Procedure/Equipment - None

Procedures for Leaks or Spills - Not applicable

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## SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

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Engineering Measures - None

Personal Protective Equipment - None

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Appearance - Fabric impregnated with ink

Odor and Odor Threshold - Not applicable

pH - Not applicable

Boiling Point - 220°C (428°F)

Vapor Pressure - 0.01

Vapor Density - Not applicable

Melting/Softening Point - Not available

Specific Gravity - 0.95 (water = 1)

Flammable Limits - LEL:0.04%; UEL:0.1%

Explosive Properties - None

Partition Coefficient - Not applicable

Oxidizing Properties - Not applicable

Solubility in Water - 0.5%

Percent Volatile - Not applicable

Evaporation Rate - Not applicable

Freezing Point - Not applicable

Flash Point - 93°C (200°F)

Auto-Ignition Temperature - Not applicable

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## SECTION 10 - STABILITY AND REACTIVITY

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Stability - Stable

Hazardous Decomposition Products - Not available

Incompatibility - Strong oxidizing agents

Hazardous Polymerization - None

Conditions to Avoid - Heat, sparks, open flame

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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**Hazard to Humans** - None during normal use.

**Animal Experiment (based on testing of ink)** -

**Acute** - None

**Chronic/Other** - None

**Additional Information** - The ACGIH TLV and OSHA PEL for carbon black is 3.5 mg/m<sup>3</sup>. Ink is classified as Group 3 - not classifiable as to the carcinogenicity to humans. *IARC Monograph* - The International Agency for Research on Cancer (IARC) has concluded that there is sufficient evidence of carcinogenicity in experimental animals from carbon black, which is contained in this product, and insufficient evidence of carcinogenicity in humans. The IARC categorized carbon black as a 2B - possible human carcinogen.

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## SECTION 12 - ECOLOGICAL INFORMATION

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None

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## SECTION 13 - DISPOSAL INFORMATION

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Waste Disposal - Dispose of used product in accordance with applicable regulations.

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## SECTION 14 - TRANSPORTATION INFORMATION

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Proper Shipping Name - None

Hazard Class - None

Identification Number - None

RQ - Not applicable

Packing Group - None

Page Number - None

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## SECTION 15 - REGULATORY INFORMATION

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Ribbon not listed by California *Proposition 65*.

Ribbon not on the OSHA or NTP carcinogen list.

All ingredients on U.S. TSCA inventory.

Not a WHMIS controlled product.

See local requirements.

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## SECTION 16 - OTHER INFORMATION

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None